

8/5,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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Fluorescent lamp and discharge lamp for liquid crystal display
(LCD) back light has outer electrode comprised by spiral conductor
wound around outside of envelope

Patent Assignee: HARISON TOSHIBA LIGHTING CORP (TOKE); HARRISON DENKI KK
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Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200135445	A1	20010517	WO 2000JP7990	A	20001109	200154 B
JP 2001143662	A	20010525	JP 99319986	A	19991110	200154
EP 1152454	A1	20011107	EP 2000974959	A	20001109	200168
			WO 2000JP7990	A	20001109	
JP 2002042737	A	20020208	JP 2000233193	A	20000728	200215
KR 2001110337	A	20011213	KR 2001708656	A	20010709	200237

Priority Applications (No Type Date): JP 2000233193 A 20000728; JP 99319986
A 19991110

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200135445	A1	J	31	H01J-065/00	
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Designated States (National): KR US

Designated States (Regional): DE FR NL

JP 2001143662	A		7	H01J-065/00	
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EP 1152454	A1	E		H01J-065/00	Based on patent WO 200135445
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Designated States (Regional): DE FR NL

JP 2002042737	A		12	H01J-065/00	
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KR 2001110337	A			H01J-061/35	
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Abstract (Basic): WO 200135445 A1

NOVELTY - The lamp has a discharge medium containing xenon gas sealed in a glass tube having a fluorescent material coating on the inner wall surface and sealing elements at the opposite ends. At one end of the glass tube there is an inner electrode, to which a first feed lead wire is connected after air-tightly passing through one of the sealing elements. An outer electrode, consisting of a linear conductor is spirally coiled, along the tube axis direction, on the outer peripheral surface of the glass tube.

DETAILED DESCRIPTION - A second feed lead wire is buried, at one end, in a sealing element and led out at the other end thereof from the glass tube. An end of the outer electrode is electrically connected and mechanically fixed to the second feed lead wire. Additionally, the outer peripheral surfaces of the outer electrode and the glass tube are covered with a translucent resin film whereby the outer electrode is integrally fixed to the outer peripheral surface of the glass tube.

USE - For liquid crystal display back light.

DESCRIPTION OF DRAWING(S) - The figure shows a fluorescent lamp

pp; 31 DwgNo 7/12

Title Terms: FLUORESCENT ; LAMP ; DISCHARGE; LAMP ; LIQUID; CRYSTAL;
DISPLAY; LCD; BACK; LIGHT; OUTER; ELECTRODE ; COMPRISE; SPIRAL;
CONDUCTOR; WOUND ; ENVELOPE

Derwent Class: U14; W05; X26

International Patent Class (Main): H01J-061/35; H01J-065/00

File Segment: EPI

Fluorescent lamp and discharge lamp for liquid crystal display
(LCD) back light has outer electrode comprised by spiral conductor
wound around outside of envelope

...Inventor: YANO H

Abstract (Basic):

... The **lamp** has a discharge medium containing xenon gas sealed in a glass tube having a **fluorescent** material coating on the inner wall surface and sealing elements at the opposite ends. At one end of the glass tube there is an inner **electrode** , to which a first feed lead wire is connected after air-tightly passing through one of the sealing elements. An outer **electrode** , consisting of a linear conductor is spirally coiled, along the tube axis direction, on the...

... out at the other end thereof from the glass tube. An end of the outer **electrode** is electrically connected and mechanically fixed to the second feed lead wire. Additionally, the outer peripheral surfaces of the outer **electrode** and the glass tube are covered with a translucent resin film whereby the outer **electrode** is integrally fixed to the outer peripheral surface of the glass tube...

...The figure shows a **fluorescent lamp** .

Title Terms: **FLUORESCENT** ;